

REMARKS

Paragraph [0004] of the specification states:

“At present, existing EDM-type filtration and flushing systems that are adopted for electroerosion machines do not have sufficient filtration systems associated therewith.”

Paragraph [0004] appears in the Background Section of the specification. As such, the Background Section of the specification is a general description of the problems associated with conventional EDM-type filtration and flushing systems.

In the Requirement, the Examiner has requested identification of the “existing EDM-type filtration and flushing systems that are adopted for electroerosion machines.” In response, Applicant is not aware of any existing EDM-type filtration and flushing systems that have been adopted for electroerosion machines.

Rather, *Paragraph [0004]* states that any existing EDM-type filtration and flushing system that are used for electroerosion machines are inadequate because electroerosion machines remove approximately 10-15 times more chips as compared to EDM-type machines. To solve this problem, the inventors of the present invention have developed a novel two-stage filtration system that includes a first filtering stage for roughly filtering residue-containing machining liquid exiting from a work tank; and a second filtering stage for finely filtering roughly-filtered machining liquid exiting from the first filtering stage, as recited in the claimed invention.

In the Requirement, the Examiner has requested the nature of the stated “adoption,” as in “adopted.” By definition, adopted means “take up or start to use or follow (an idea, method, or course of action).” See <http://dictionary.reference.com/browse/adopted>. Applicant contends that the specification is consistent with the ordinary meaning of the term “adopted.”

In the Requirement, the Examiner has requested the name of any products or services that have incorporated the disclosed prior art systems discussed at *Paragraph [0004]*. In response, Applicant is not aware of any products or services that have incorporated the disclosed prior art system discussed at *Paragraph [0004]*.

In the Requirement, the Examiner has requested that Applicant state the specific improvements of the subject matter of the claims over the disclosed prior art system discussed at

Paragraph [0004] and indicate the specific elements in the claimed subject matter that provide those improvements.

In response, Applicant submits that the claimed invention solves precisely the problem associated by existing EDM-type filtration and flushing systems described at *Paragraph [0004]* by developing a novel two-stage filtration system that includes a first filtering stage for roughly filtering residue-containing machining liquid exiting from a work tank; and a second filtering stage for finely filtering roughly-filtered machining liquid exiting from the first filtering stage including a second fluid return path that introduces finely-filtered machining fluid through an inlet directly connected to the work tank.

In view of the foregoing, Appellant respectfully submits that the application is in condition for allowance. Favorable consideration and prompt allowance of the application is earnestly solicited.

Dated: September 8, 2010

Respectfully submitted,

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